

SFQ ID NO.1FIG.1 a

GAATTCCCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGCAAACC	59(UPPER:SEQ ID NO.1)
	19(LOWER:SEQ ID NO.1)
TTCCCTTCACTACAAAACCTTCATTGCTTGGCCAAAAGAGAGTTAATTCAATGTAGACAT	119
	39
CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC	179
	59
TAAATACATTCTAGGACTTTATAAAAGATCACTTTTTTATTTATGCACAGGGTGAACAAG	239
	79
ATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC	299
M D Y Q V S S P I Y D I N Y Y T S E P C	99
CAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCCTGCCTCCGCTCTACTCACTGGTG	359
Q K I N V K Q I A A R L L P P L Y S L V	119
TTCATCTTTGGTTTTTGTGGGCAACATGCTGGTCATCCTCATCCTGATAAACTGCAAAAGG	419
F I F G F V G N M L V I L I L I N C K R	139
CTGAAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT	479
L K S M T D I Y L L N L A I S D L F F L	159
CTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACTTTGGAAATACAATG	539
L T V P F W A H Y A A A Q W D F G N T M	179
TGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTTCTCTGGAATCTTCTTCATCATC	599
C Q L L T G L Y F I G F F S G I F F I I	199
CTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATGCTGTGTTTGCTTTAAAAGCCAGG	659
L L T I D R Y L A V V H A V F A L K A R	219
ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGGCTGTGTTTGCGTCT	719
T V T F G V V T S V I T W V V A V F A S	239
CTCCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGGTCTTCATTACACCTGCAGCTCT	779
L P G I I F T R S Q K E G L H Y T C S S	259
CATTTTCCATACA	
H F P Y	

GAATTCCCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGCAAACC	59(UPPER:SER 1) NO:
	19(LOWER:SER 1) NO:
TTCCCTTCACTACAAAACCTTCATTGCTTGGCCAAAAAGAGAGTTAATTCAATGTAGACAT	119
	39
CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC	179
	59
TAAATACATTCTAGGACTTTATAAAAGATCACTTTTTATTTATGCACAGGGTGGAACAAG	239
	79
ATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC	299
M D Y Q V S S P I Y D I N Y Y T S E P C	99
CAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCCTGCCTCCGCTCTACTCACTGGTG	359
Q K I N V K Q I A A R L L P P L Y S L V	119
TTCATCTTTGGTTTTTGTGGGCAACATGCTGGTCATCCTCATCCTGATAAACTGCAAAGG	419
F I F G F V G N M L V I L I L I N C K R	139
CTGAAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT	479
L K S M T D I Y L L N L A I S D L F F L	159
CTTACTGTCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACTTTGGAAATACAATG	539
L T V P F W A H Y A A A Q W D F G N T M	179
TGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTTCTCTGGAATCTTCTTCATCATC	599
C Q L L T G L Y F I G F F S G I F F I I	199
CTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATGCTGTGTTTGCTTTAAAAGCCAGG	659
L L T I D R Y L A V V H A V F A L K A R	219
ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGGCTGTGTTTGCGTCT	719
T V T F G V V T S V I T W V V A V F A S	239
CTCCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGGTCTTCATTACACCTGCAGCTCT	779
L P G I I F T R S Q K E G L H Y T C S S	259
CATTTTCCATACAGTCAGTATCAATTCTGGAAGAATTTCCAGACATTAAAGATAGTCATC	839
H F P Y S Q Y Q F W K N F Q T L K I V I	279

SEQ ID NO.2 FIG.1b

TTGGGGCTGGTCCTGCCGCTGCTTGTCATGGTCATCTGCTACTCGGGAATCCTAAAAACT	899
L G L V L P L L V M V I C Y S G I L K T	299
CTGCTTCGGTGTTCGAAATGAGAAGAAGAGGCACAGGGCTGTGAGGCTTATCTTCACCATC	959
L L R C R N E K K R H R A V R L I F T I	319
ATGATTGTTTATTTTCTCTTCTGGGCTCCCTACAACATTGTCCTTCTCCTGAACACCTTC	1019
M I V Y F L F W A P Y N I V L L L N T F	339
CAGGAATTCTTTGGCCTGAATAATTGCAGTAGCTCTAACAGGTTGGACCAAGCTATGCAG	1079
Q E F F G L N N C S S S N R L D Q A M Q	359
GTGACAGAGACTCTTGGGATGACGCACTGCTGCATCAACCCCATCATCTATGCCTTTGTC	1139
V T E T L G M T H C C I N P I I Y A F V	379
GGGGAGAAGTTCAGAAACTACCTCTTAGTCTTCTTCCAAAAGCACATTGCCAAACGCTTC	1199
G E K F R N Y L L V F F Q K H I A K R F	399
TGCAAATGCTGTTCTATTTTCCAGCAAGAGGCTCCCGAGCGAGCAAGCTCAGTTTACACC	1259
C K C C S I F Q Q E A P E R A S S V Y T	419
CGATCCACTGGGGAGCAGGAAATATCTGTGGGCTTGTGACACGGACTCAAGTGGGCTGGT	1319
R S T G E Q E I S V G L *	439
GACCCAGTCAGAGTTGTGCACATGGCTTAGTTTTTCATACACAGCCTGGGCTGGGGGTNGG	1379
	459
TTGGNNGAGGTCTTTTTTAAAAGGAAGTTACTGTTATAGAGGGTCTAAGATTCATCCATT	1439
	479
TATTTGGCATCTGTTTAAAGTAGATTAGATCCGAATTC	

SEQ ID NO.2 (SUITE)

FIG.1c

GAATTCCTCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGCAAACC	59 UPPER: SEQ ID 1
	19 LOWER: SEQ ID 1
TTCCCTTCACTACAAAACCTTCATTGCTTGGCCAAAAAGAGAGTTAATTCAATGTAGACAT	119
	39
CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCAATTCATGGAGGGCAAC	179
	59
TAAATACATTCTAGGACTTTATAAAAGATCACTTTTTTATTTATGCACAGGGTGGAAACAAG	239
	79
ATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGCG	299
M D Y Q V S S P I Y D I N Y Y T S E P C	99
CAAAAAATCAATGTGAAGCAAATCGCAGCCCCGCTCCTGCCTCCGCTCTACTCACTGGTG	359
Q K I N V K Q I A A R L L P P L Y S L V	119
TTTATCTTTGGTTTTTGTGGGCAACATGCTGGTCATCCTCATCCTGATAAACTGCAAAGG	419
F I F G F V G N M L V I L I L I N C K R	139
CTGAAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT	479
L K S M T D I Y L L N L A I S D L F F L	159
CTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACTTTGGAAATACAATG	539
L T V P F W A H Y A A A Q W D F G N T M	179
TGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTTCTCTGGAATCTTCTTCATCATC	599
C Q L L T G L Y F I G F F S G I F F I I	199
CTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATGCTGTGTTTGCTTTAAAAGCCAGG	659
L L T I D R Y L A V V H A V F A L K A R	219
ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGGCTGTGTTTGCGTCT	719
T V T F G V V T S V I T W V V A V F A S	239
CTCCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGGTCTTCATTACACCTGCAGCTCT	779
L P G I I F T R S Q K E G L H Y T C S S	259
CATTTTCCATACATTAAAGATAGTCATCTTGGGGCTGGTCCTGCCGCTGCTTGTCATGGT	839
H F P Y I K D S H L G A G P A A A C H G	279

SEQ ID NO.3FIG.1d

CATCTGCTACTCGGGAATCCTAAAACTCTGCTTCGGTGTGCGAAATGAGAAAGAAGAGGCA	899
H L L L G N P K N S A S V S K *	299
CAGGGCTGTGAGGCTTATCTTCACCATCATGATTGTTTATTTTCTCTTCTGGGCTCCCTA	959
	319
CAACATTGTCCTTCTCCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAG	1019
	339
CTCTAACAGGTTGGACCAAGCTATGCAGGTGACAGAGACTCTTGGGATGACGCACTGCTG	1079
	359
CATCAACCCCATCATCTATGCCTTTGTGCGGGGAGAAGTTCAGAACTACCTCTTAGTCTT	1139
	379
CTTCCAAAAGCACATTGCCAAACGCTTCTGCAAATGCTGTTCTATTTTCCAGCAAGAGGC	1199
	399
TCCCGAGCGAGCAAGCTCAGTTTACACCCGATCCACTGGGGAGCAGGAAATATCTGTGGG	1259
	419
CTTGTGACACGGACTCAAGTGGGCTGGTGACCCAGTCAGAGTTGTGCACATGGCTTAGTT	1319
	439
TTCATACACAGCCTGGGCTGGGGGTNGGTTGGNNGAGGTCTTTTTTAAAAGGAAGTTACT	1379
	459
GTTATAGAGGGTCTAAGATTCATCCATTTATTTGGCATCTGTTTAAAGTAGATTAGATCC	1439
	479
GAATTC	

SEQ ID NO.3 (SUITE)

FIG.1e

FIG. 2

CCR5	I		II	
	1	1	1	1
	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT
	MTTSI	MTTSI	MTTSI	MTTSI
	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP
CCR-R2b	II		II	
	1	1	1	1
CCR-R3	II		II	
	1	1	1	1
CCR-R1	II		II	
	1	1	1	1
CCR-R4	II		II	
	1	1	1	1
CCR5	IV		IV	
	1	1	1	1
	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT
	MTTSI	MTTSI	MTTSI	MTTSI
	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP
CCR-R2b	IV		IV	
	1	1	1	1
CCR-R3	IV		IV	
	1	1	1	1
CCR-R1	IV		IV	
	1	1	1	1
CCR-R4	IV		IV	
	1	1	1	1
CCR5	VI		VI	
	1	1	1	1
	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT
	MTTSI	MTTSI	MTTSI	MTTSI
	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP
CCR-R2b	VI		VI	
	1	1	1	1
CCR-R3	VI		VI	
	1	1	1	1
CCR-R1	VI		VI	
	1	1	1	1
CCR-R4	VI		VI	
	1	1	1	1
CCR5	VII		VII	
	1	1	1	1
	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT	MLSTSRSRFTNNINNESGEEVTTFTFYDYGAPCHNKT
	MTTSI	MTTSI	MTTSI	MTTSI
	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP	METPNTTDDYDTTTEFTYGDATPCQKNNERAFGAP
CCR-R2b	VII		VII	
	1	1	1	1
CCR-R3	VII		VII	
	1	1	1	1
CCR-R1	VII		VII	
	1	1	1	1
CCR-R4	VII		VII	
	1	1	1	1

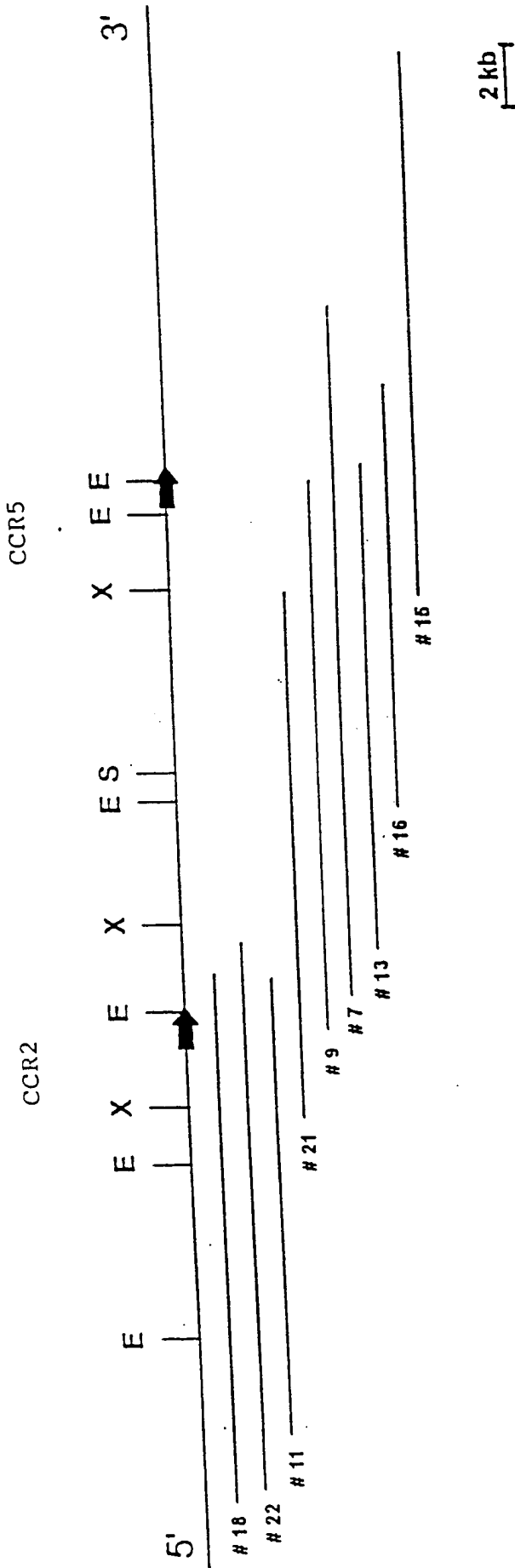


FIG. 3

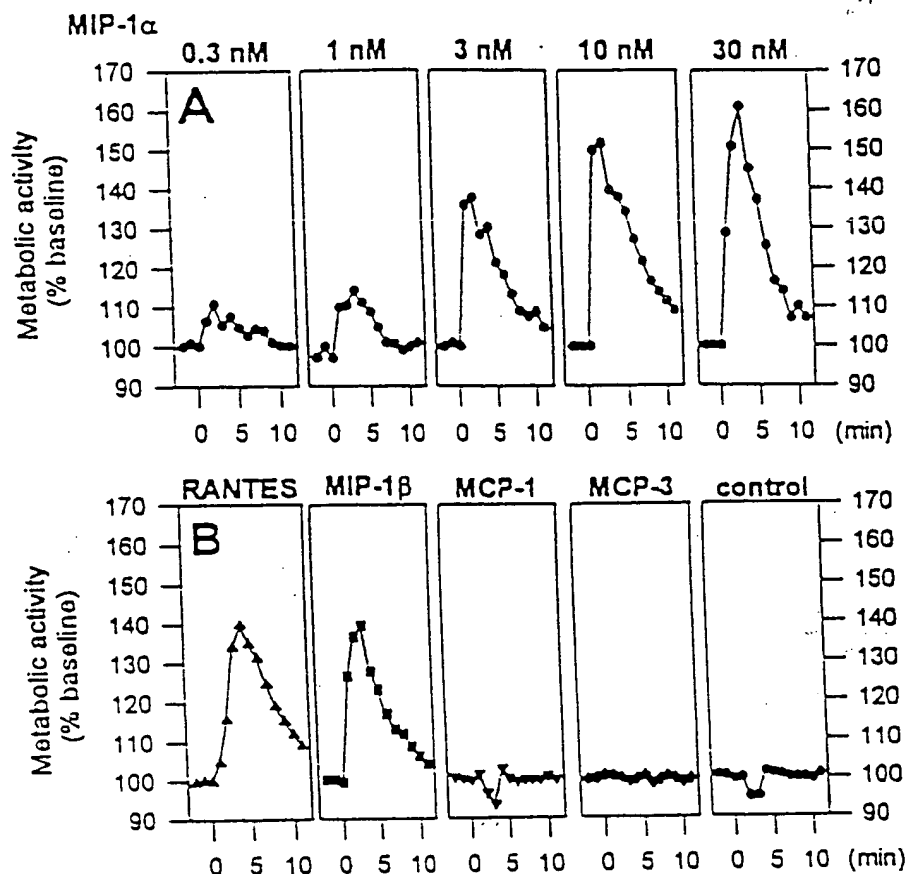


FIG. 4a

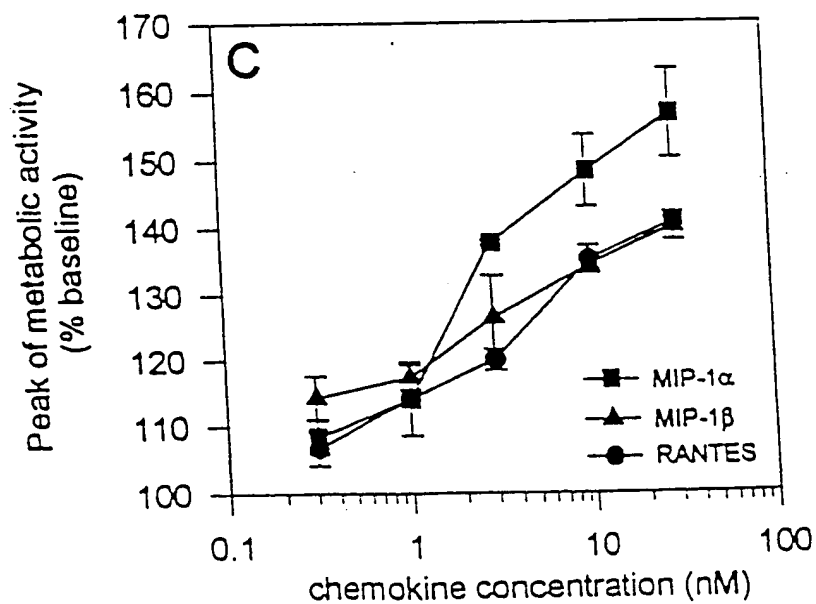


FIG. 4b

9/14

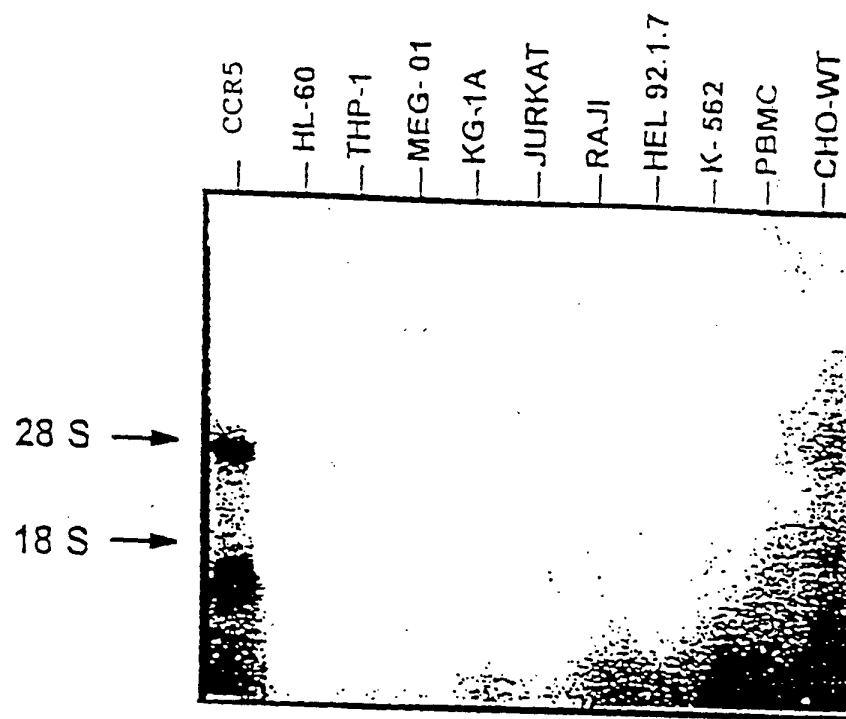


FIG. 5

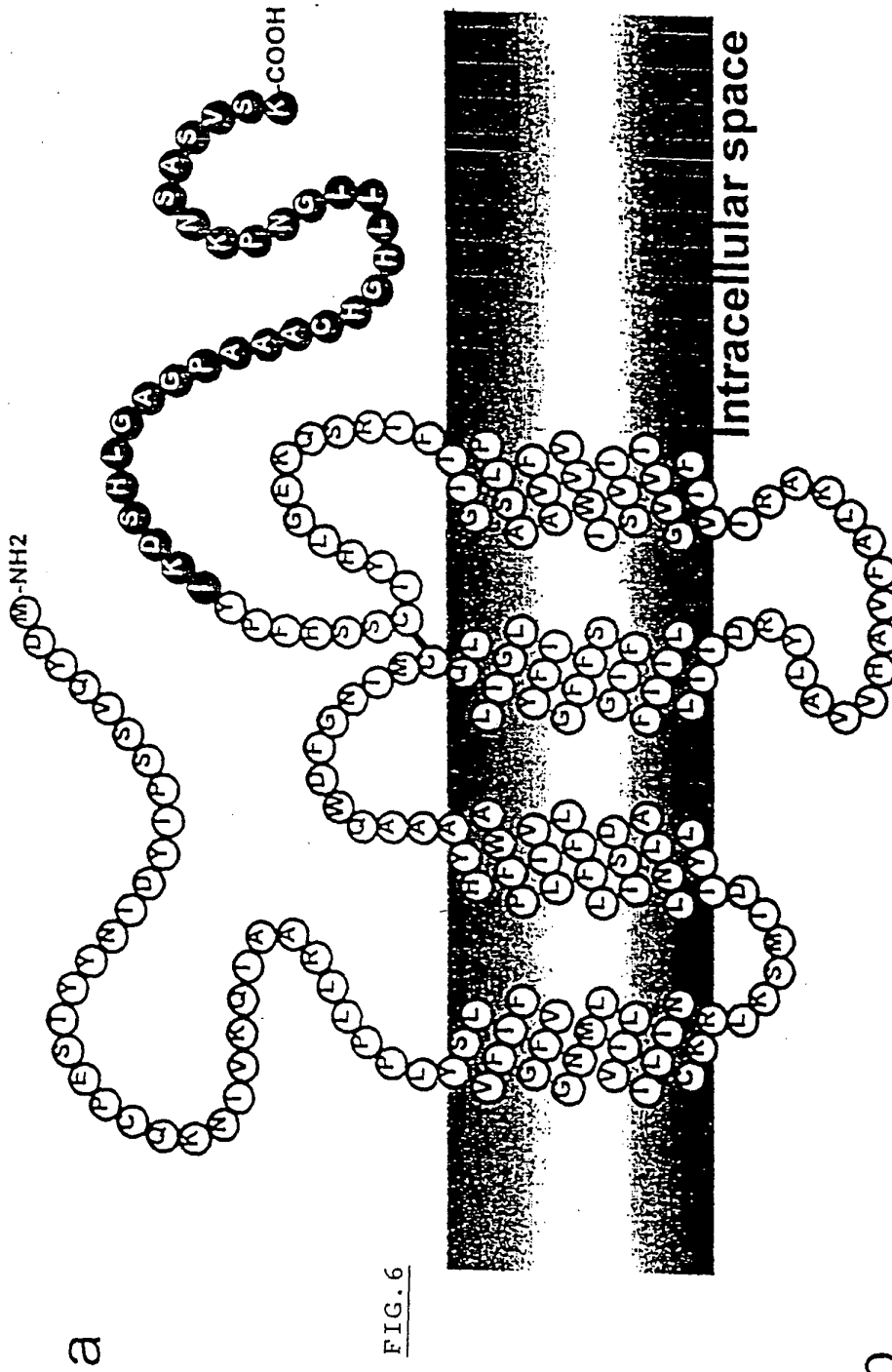
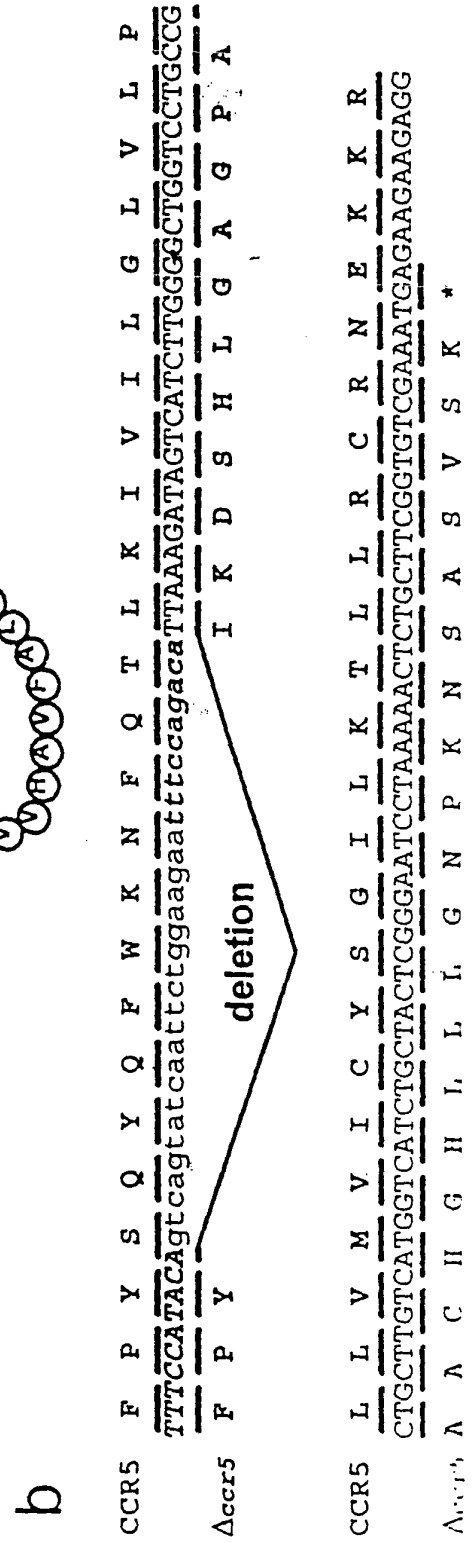
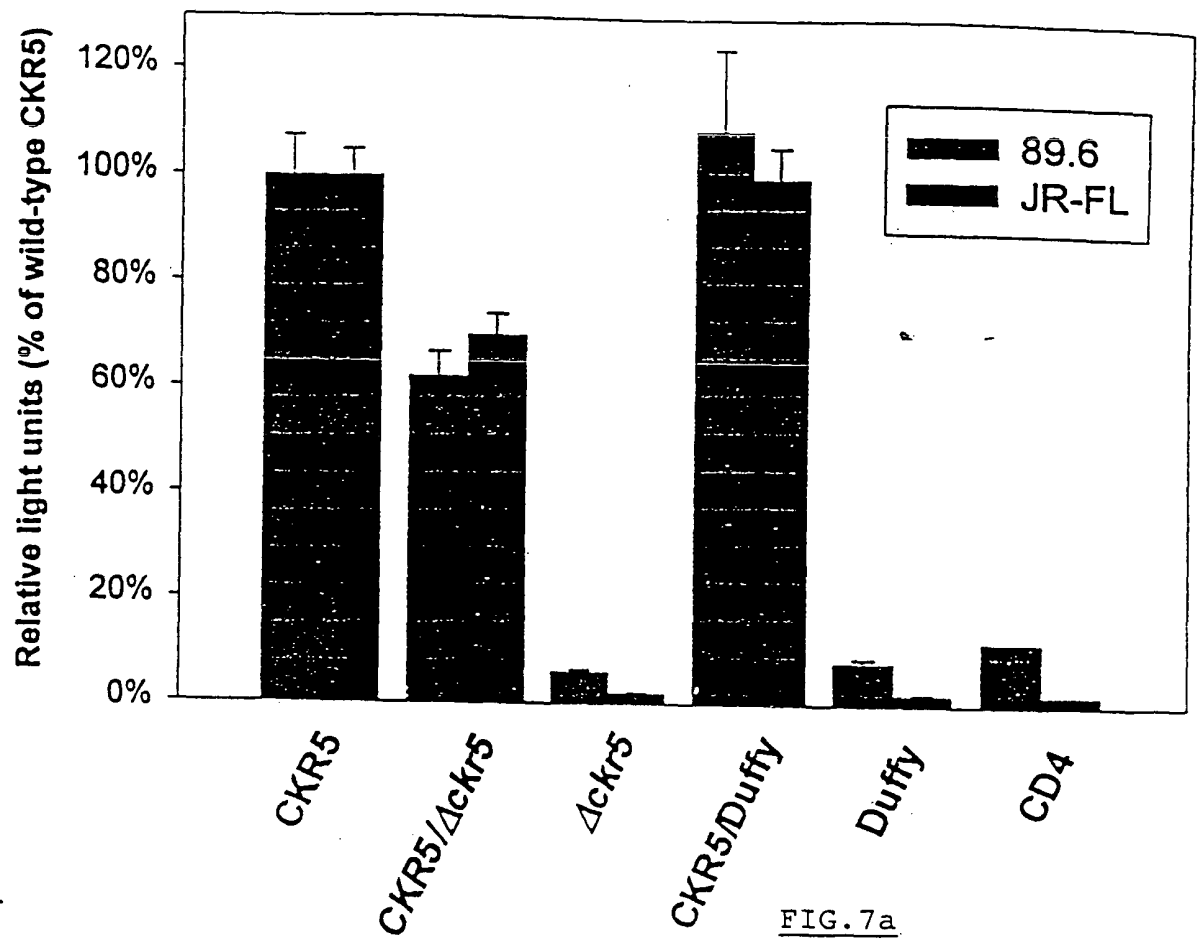


FIG. 6



A.



B.

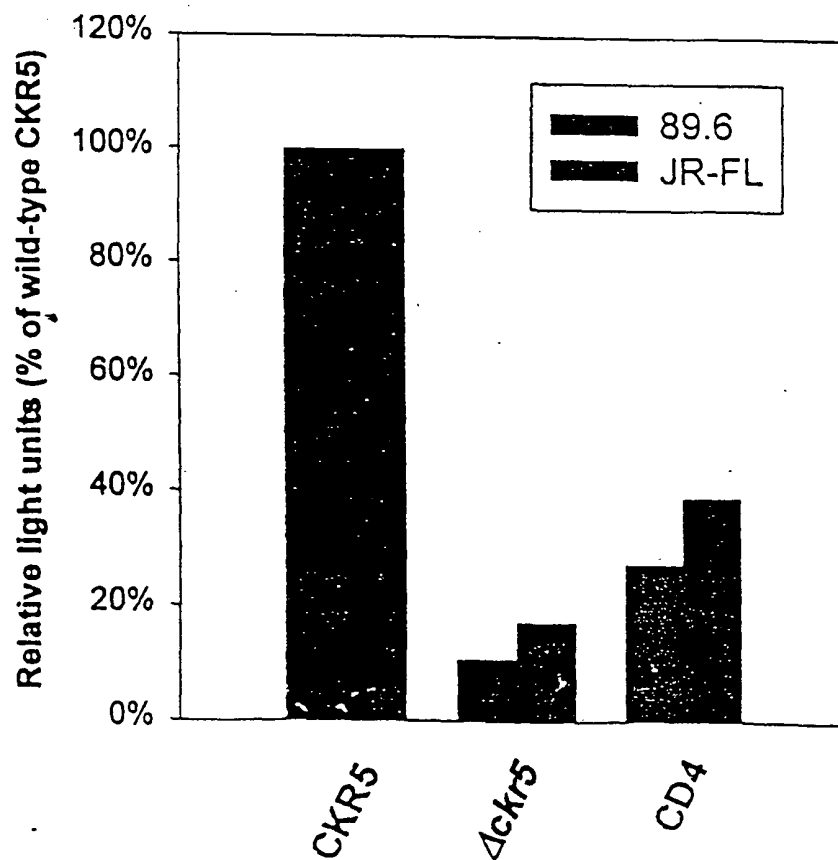


FIG. 7a

FIG. 7b

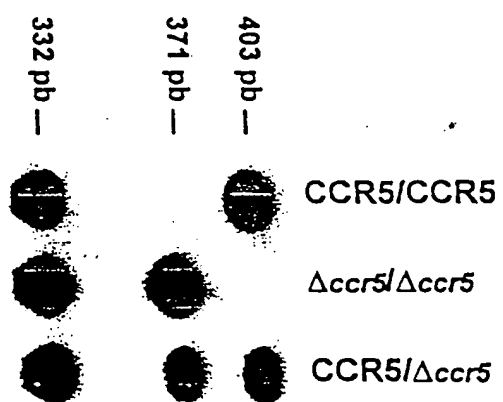


FIG. 8

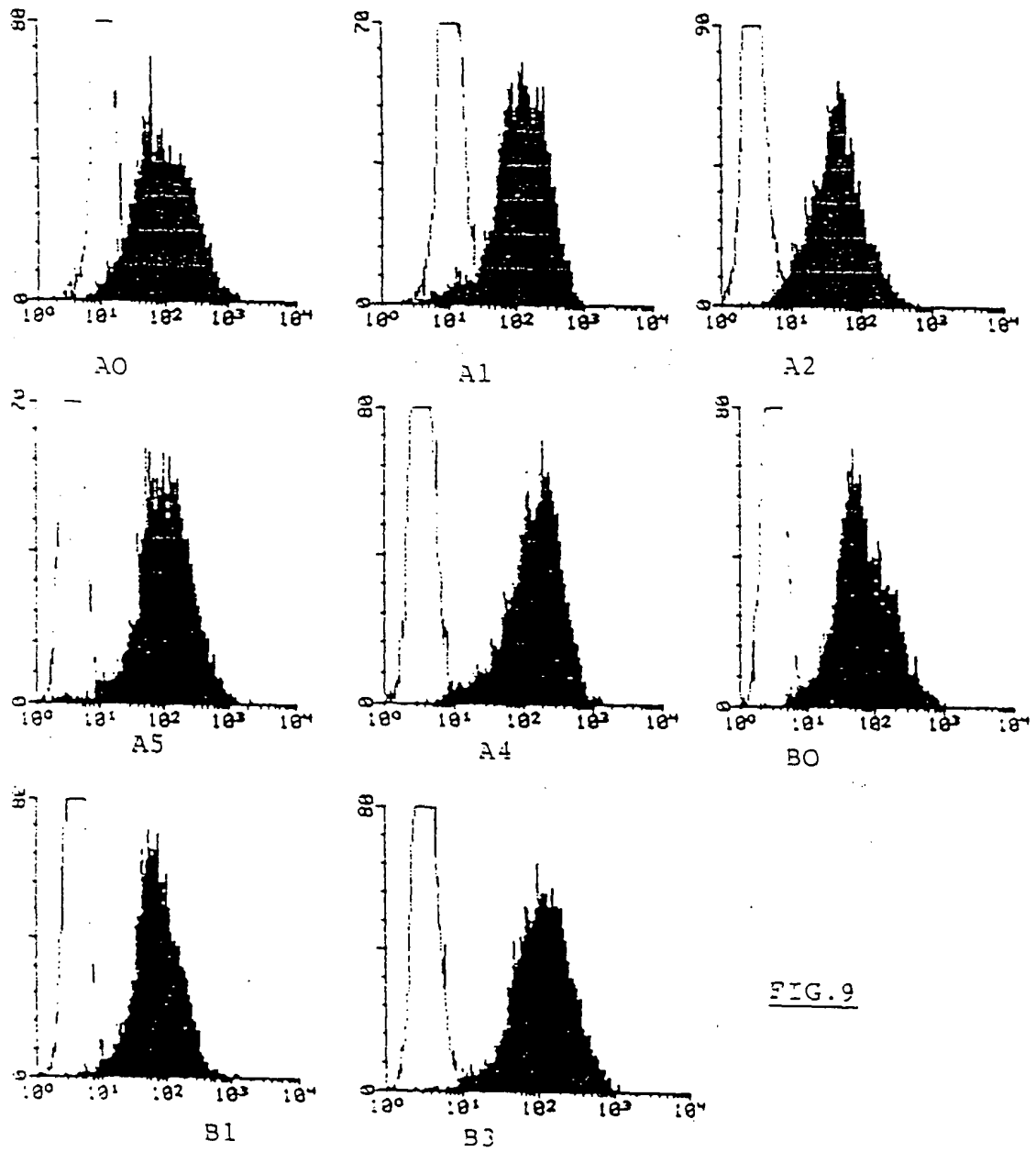
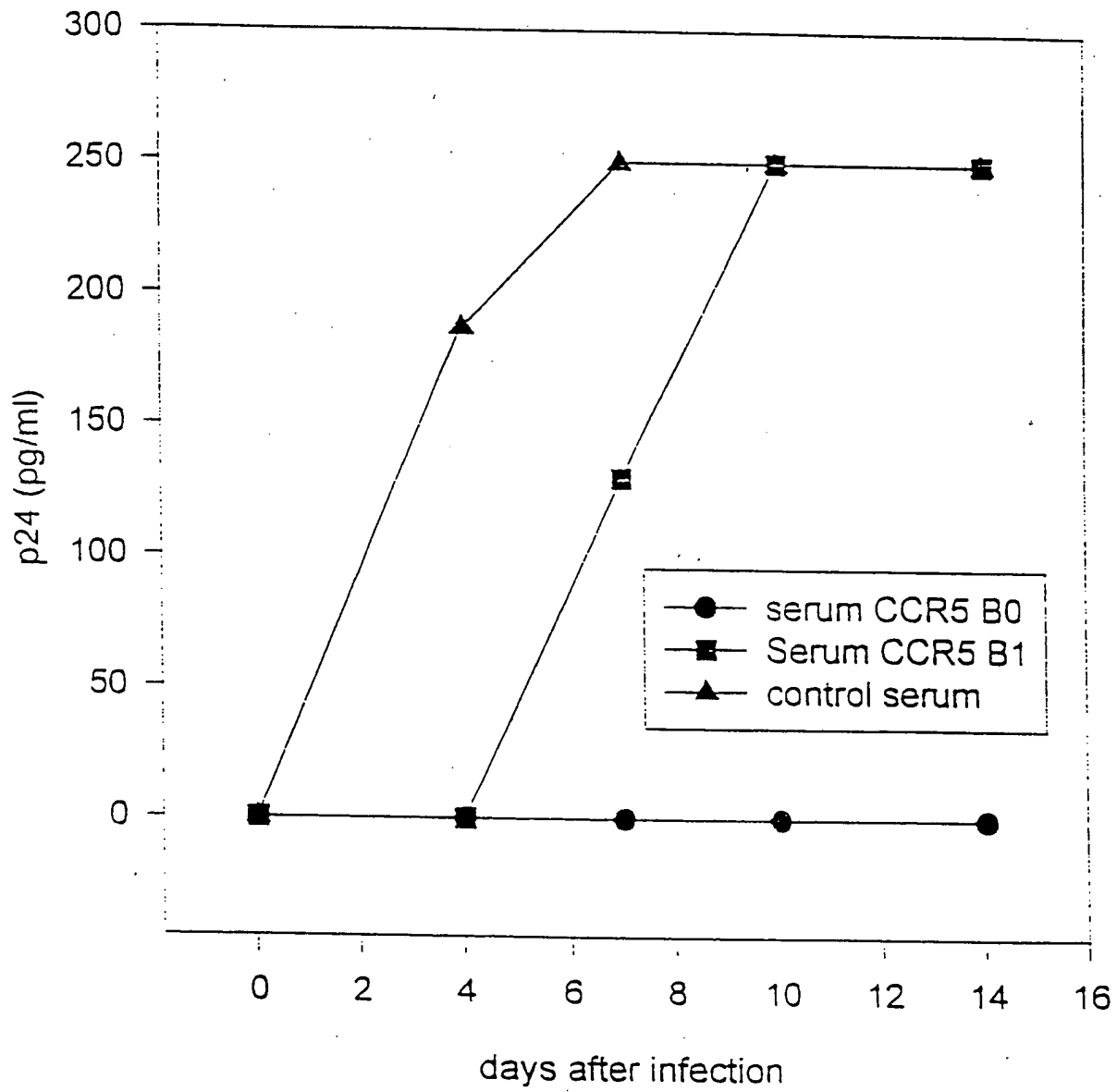


FIG. 9

FIG.10